THE UNITED REPUBLIC OF TANZANIA

DODOMA REGION
FORM FOUR MOCK- EXAMINATION
033/2C BIOLOGY 2C (ACTUAL PRACTICAL)

Time: 2:30 Hours **August, 2023**

Instructions

1. This paper consists of two (2) questions, answer all the questions
2. Each question carries 25 Marks
3. Write your examination number on every page of your answer booklet(s)
4. All writings should be in blue or black ink, diagrams must be drawn in pencil
5. Cellular phones and any unauthorized materials are not allowed in the examination room

QUESTIONS

1. You are provided with specimen Z.
   a) Write the procedures you will follow to prepare a solution from specimen Z for investigation.
   b) Using the chemical reagents provided, carry out an experiment to identify the food substance(s) present in specimen Z.
   Record your experimental work as shown in the table below;

FOOD TESTED	PROCEDURE	OBSERVATION	INFERENCE

   c) (i) Specimen Z contains …
   (ii) State two properties of the food substance(s) identified in specimen Z.
   (iii) Name four (4) other sources which contain the same substance(s) as that identified in specimen Z.

   d) (i) Mention the parts of the alimentary canal in which the food substance(s) present in specimen Z are digested.
   (ii) Explain how the body store the excess food substance(s) identified in specimen Z.
   (iii) Why the skills used in this experiment useful for preparation of balanced diet in your daily life?
2. You have been provided with specimens P_3, P_4, P_5 and P_6. Study them carefully and answer the questions that follow;

a) Identify specimens P_3, P_4, P_5 and P_6 by their common names.
b) Classify specimens P_4, P_5 and P_6 to class level.
c) By using observable features, write down three differences (in class level) of the class in which specimens P_4 and P_5 belong.
d) Write down five (5) economic importance of the kingdom in which specimen P_3 belongs.
e) What is the biological significance of specimen P_4 and P_6? three points
f) How specimen P_4 is adapted to its mode of life? Write three points.